



# CLIMEWORKS

Capturing CO<sub>2</sub> from air



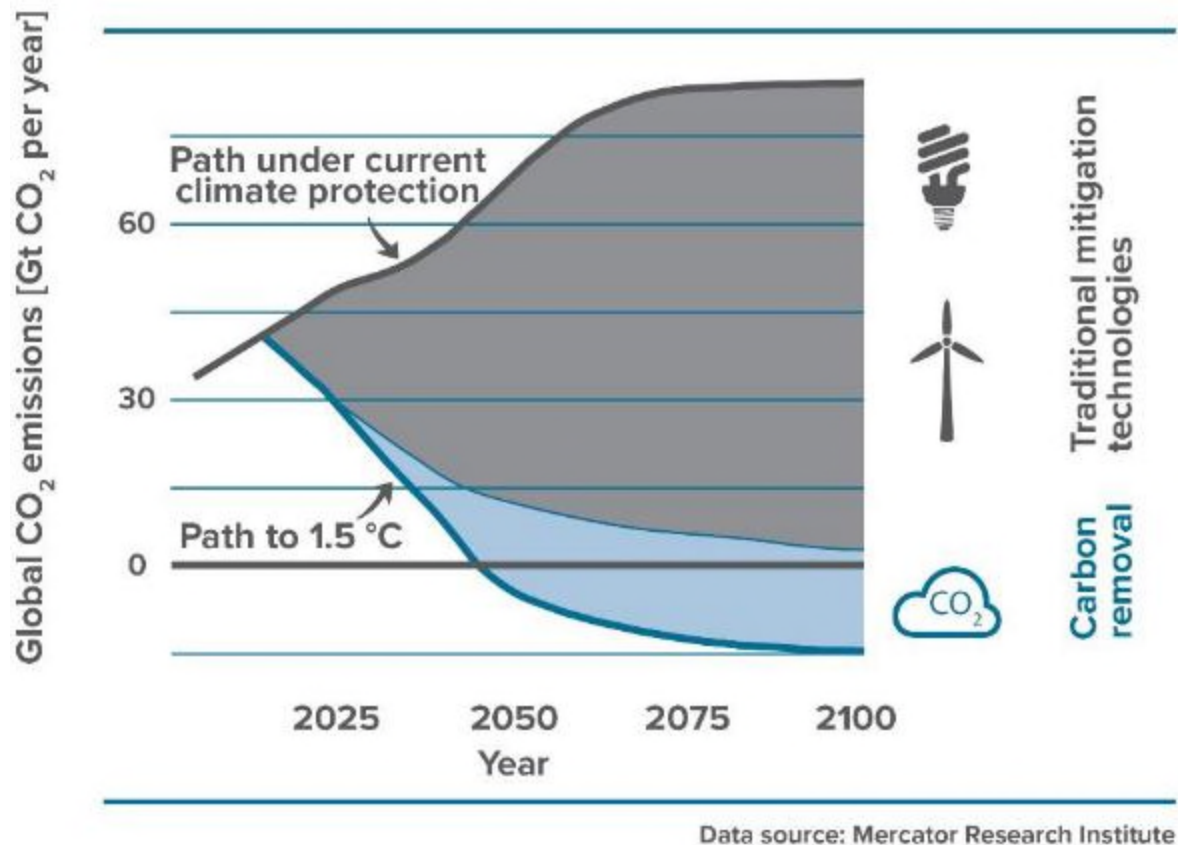




# WHY DIRECT AIR CAPTURE



How to keep global warming below 1.5 °C.

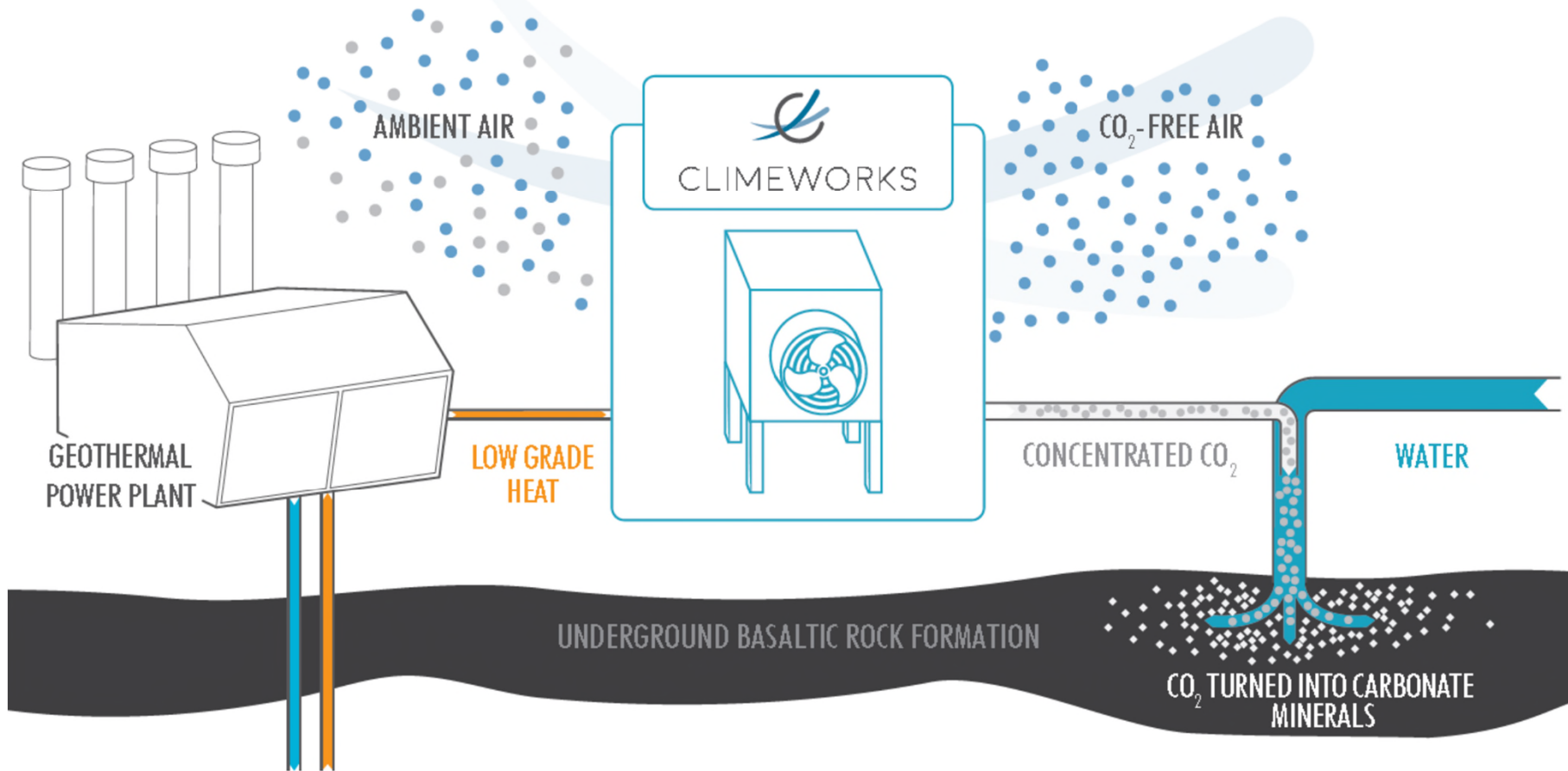


All IPCC mitigation scenarios compatible with the 1.5°C target rely on the assumption of **large-scale CO<sub>2</sub> removal**

# CARBON DIOXIDE REMOVAL FLAGSHIP



- 1  $\text{CO}_2$  is captured directly from ambient air using renewable, e.g. geothermal energy.



- 2  $\text{CO}_2$  is pumped underground at favorable  $\text{CO}_2$  storage sites, e.g. Iceland.
- 3  $\text{CO}_2$  reacts with underground rock formations and is mineralized.  $\text{CO}_2$  is thereby bound permanently and safely, reducing the  $\text{CO}_2$  content of the atmosphere.



# CARBON DIOXIDE REMOVAL FLAGSHIP





# CLIMEWORKS CARBON DIOXIDE REMOVAL



**Capture CO<sub>2</sub> from air and turn it into stone**

Remove travel emissions that cannot be reduced. Join the pioneers fighting the climate crisis.

Get started today

Starting at 7 € / 8 CHF / 8 USD per month



# MERCHANT MARKET FLAGSHIP



## World's first commercial DAC plant

<b>Plant type:</b>	DAC-18
<b>CO<sub>2</sub> capacity:</b>	2'460 kg/day
<b>CO<sub>2</sub> application:</b>	Greenhouse
<b>Heat source:</b>	Waste heat
<b>Location:</b>	Hinwil, Switzerland
<b>Commissioned:</b>	31 <sup>st</sup> May 2017

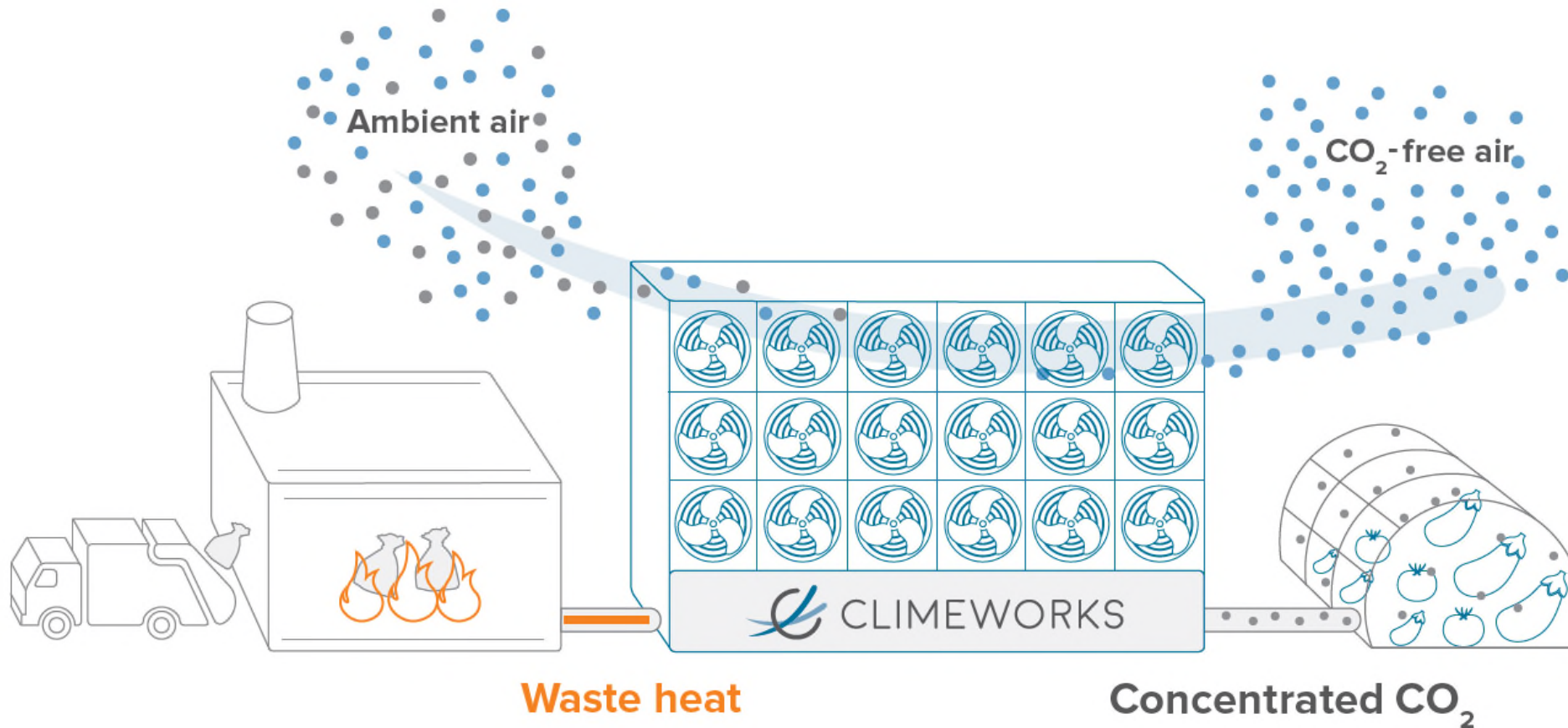


# MERCHANT MARKET FLAGSHIP



1  $\text{CO}_2$  is captured directly from air using waste heat.

2  $\text{CO}_2$  is delivered to nearby greenhouse via an underground pipe.



3 The more  $\text{CO}_2$  is in the air, the better vegetables grow – up to 20% better!



# FLAGSHIP PROJECT FOR BEVERAGES



**World's first mineral water with CO<sub>2</sub> from air**

**Customer:** Coca Cola HBC  
(CCHBC)

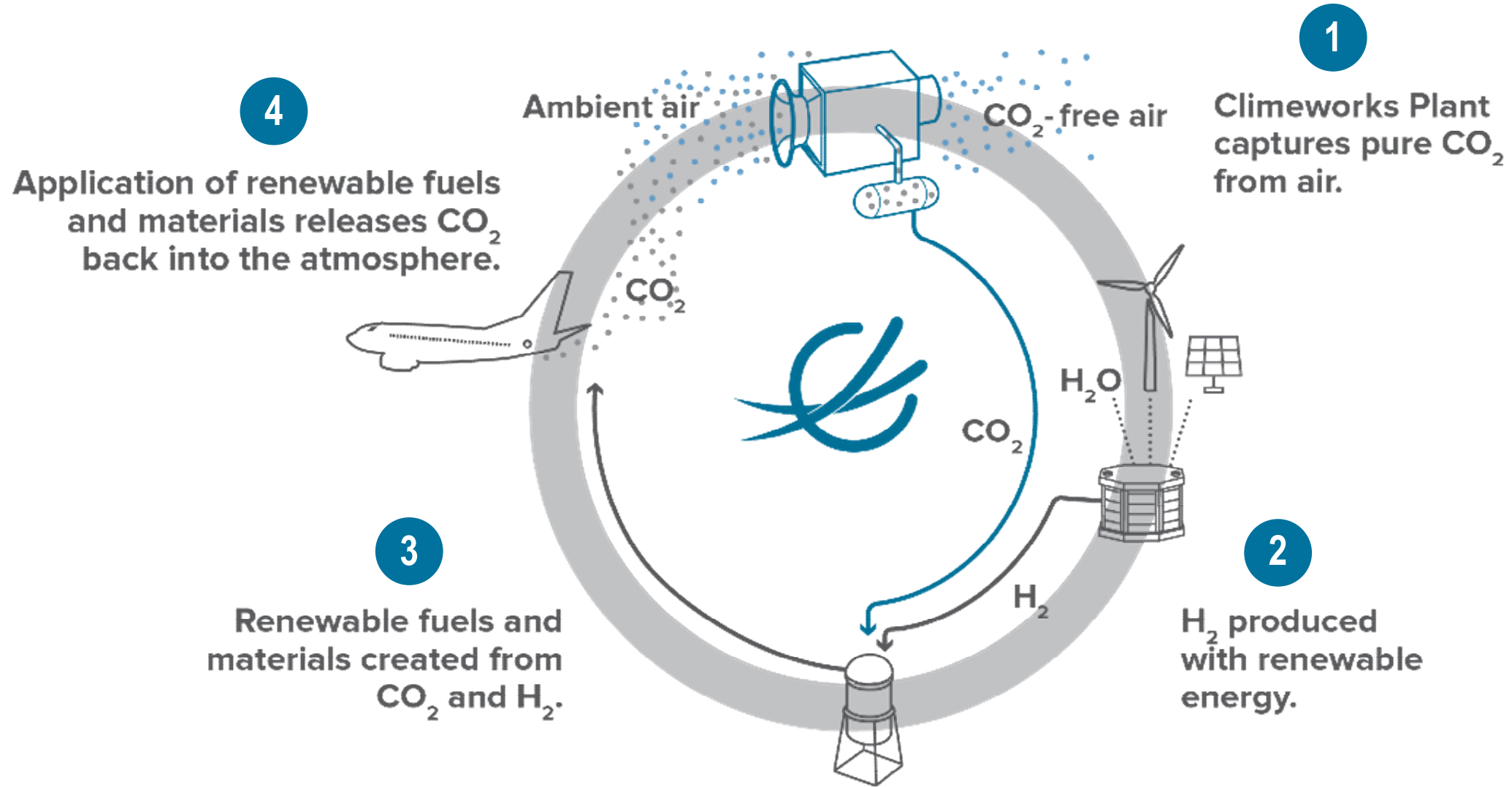
**Product:** VALSER mineral water

**Standards:** ISBT, EIGA, TCCC

**Partners:** Pentair Union Eng.  
Carbagas (Air Liquide)

**1<sup>st</sup> delivery:** February 2019

# CO<sub>2</sub>-NEUTRAL FUELS VIA DIRECT AIR CAPTURE





# RENEWABLE FUELS PROJECTS



## KOPERNIKUS POWER-TO-X

- Power-to-Liquids
- Supplied Climeworks Demonstrator
- 46 Partners, EUR 30 million budget



## STORE&GO

- Power-to-Methane
- Supplied Climeworks Plant DAC-3
- 27 Partners, EUR 27 million budget



## ROTTERDAM AIRPORT

- Power-to-Jet Fuel
- DAC-36
- Partners: Sunfire, Ineratec, EDL, SkyNRG, Urban Crossovers

# OUR TEAM



- **65** FTEs
- Headquarters in **Zurich**, Switzerland
- Subsidiary in **Cologne**, Germany
- Founded by mechanical engineers **Christoph Gebald** & **Jan Wurzbacher**
- Team includes R&D, Order Processing, Production, Logistics, Marketing & Sales







VISION 1/25

CAPTURE 1% OF GLOBAL CO<sub>2</sub> EMISSIONS BY 2025

Climeworks AG

Birchstrasse 155 • CH - 8050 Zurich

+41 (0) 44 533 29 99 • [contact@climeworks.com](mailto:contact@climeworks.com)

[www.climeworks.com](http://www.climeworks.com)



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